

Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of PPG 400

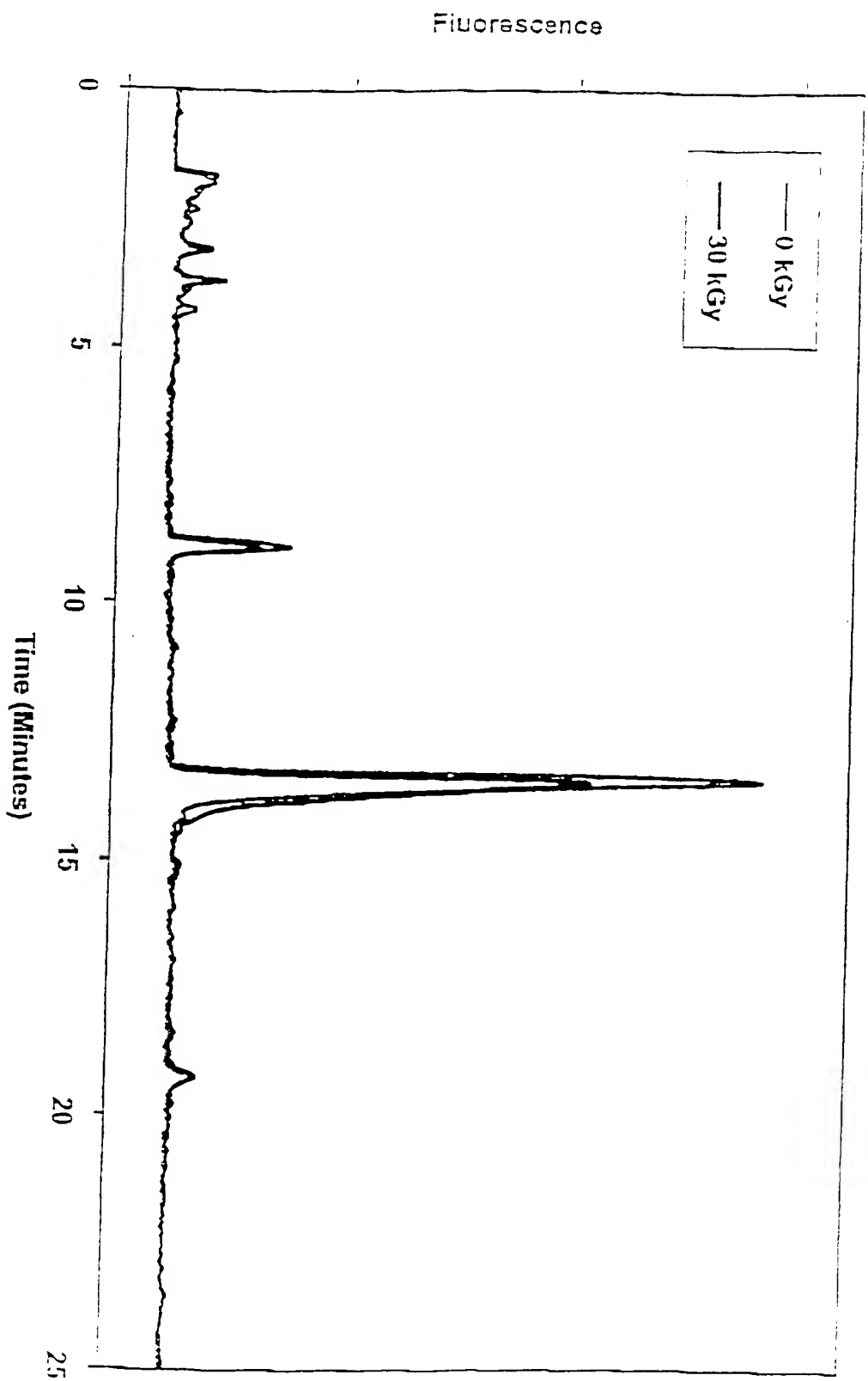


Figure 1a

**Gamma Irradiation of Hydrolyzed Heart Valve
Cusps in the Presence of PPG 400 and 125 mM Trolox C**

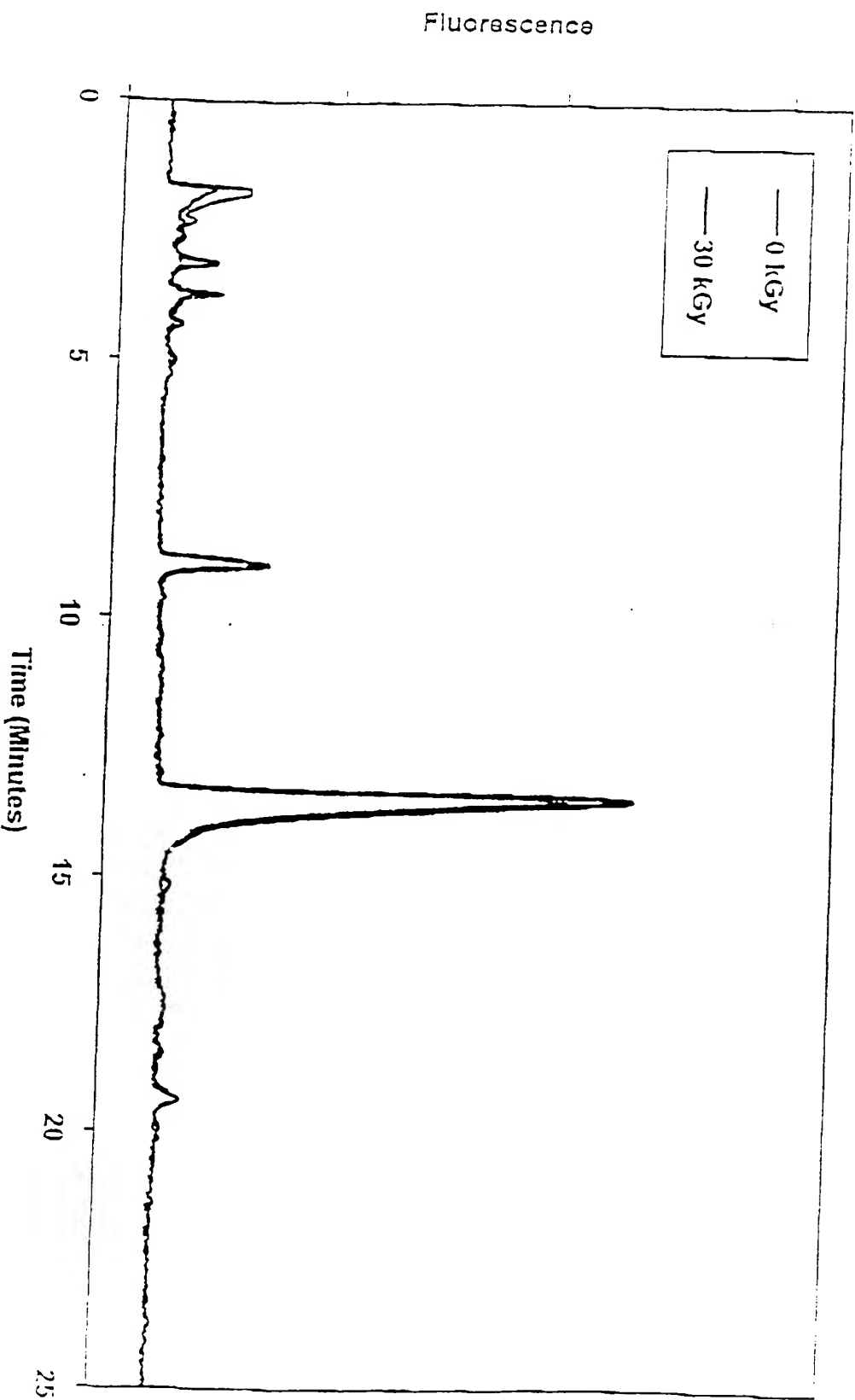


Figure 1b

Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence
of PPG 400 and a Stabilizer Mixture of 62.5mM TroloxG, 100mM Lipoic
Acid, 100mM Coumaric Acid, and 100mM n-Propyl Gallate

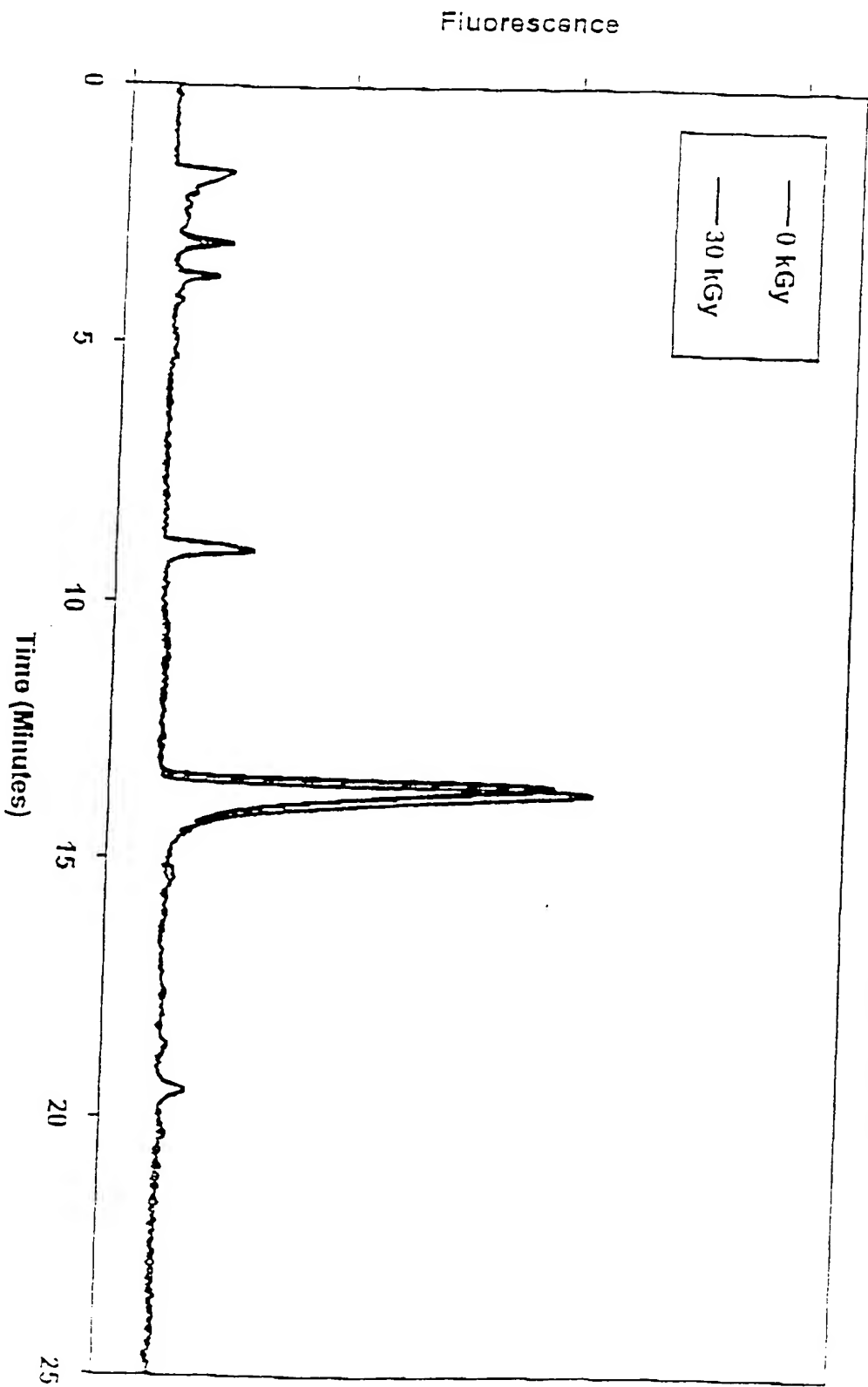
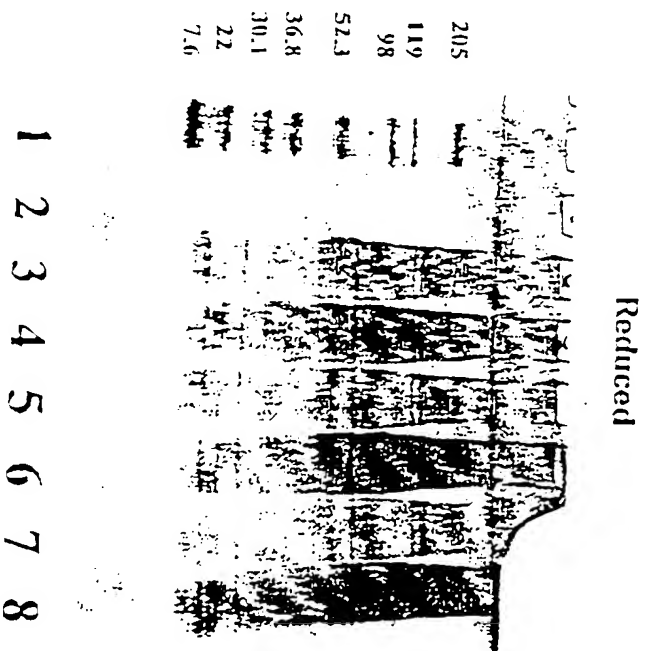


Figure 1c

Gamma Irradiation of Porcine Heart Valve Cusps in the Presence of PPG400 with Various Stabilizers



1. Molecular Weight Markers

2. Blank

3. PPG400, 0 kGy

4. PPG400, 30 kGy

5. PPG400 and Trolox, 0 kGy

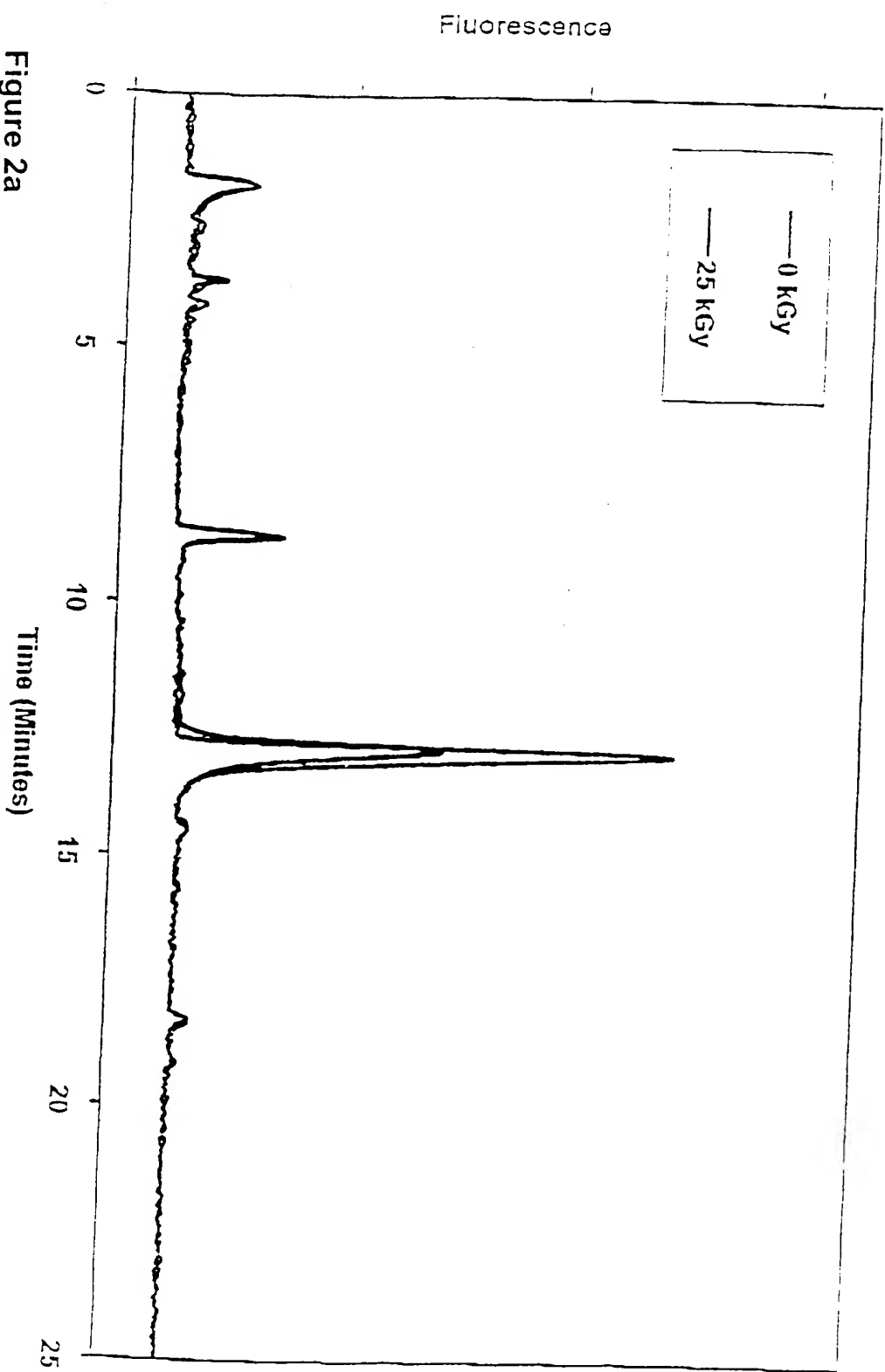
6. PPG400 and Trolox, 30 kGy

7. PPG400 and a Cocktail of Trolox, Lipoic Acid,
Coumaric Acid, and n-Propyl Gallate, 0 kGy

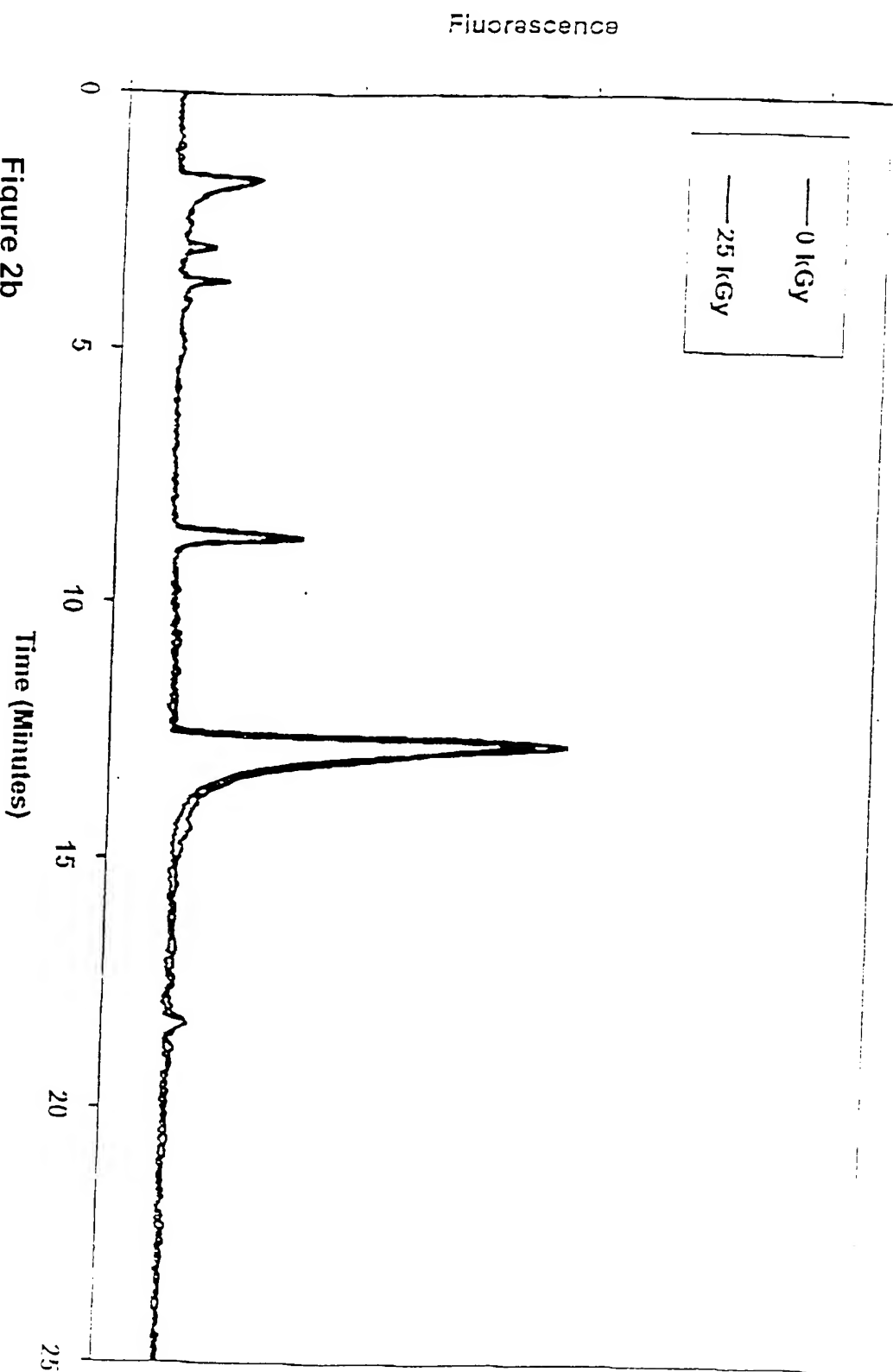
8. PPG400 and a Cocktail of Trolox, Lipoic Acid,
Coumaric Acid, and n-Propyl Gallate, 30kGy

Figure 1d

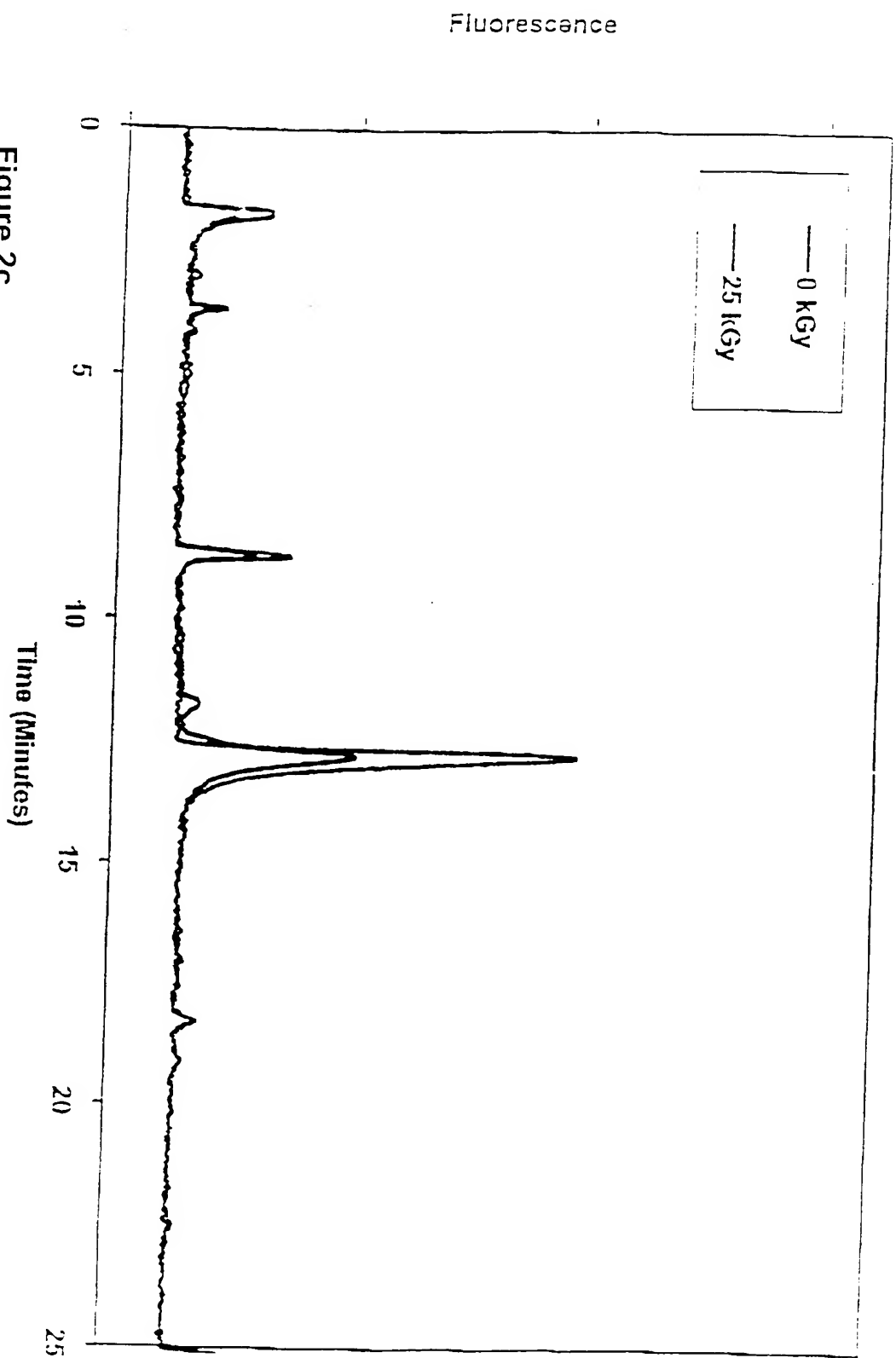
Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of PBS



Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of PPG 400



Gamma Irradiation of Hydrolyzed Heart Valve Cusps
in the Presence of 50% DMSO



Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the
Presence of 50% DMSO and a Stabilizer Mixture of 167 mM Ascorbate,
166 mM Coumaric Acid, and 100 mM n-Propyl Gallate

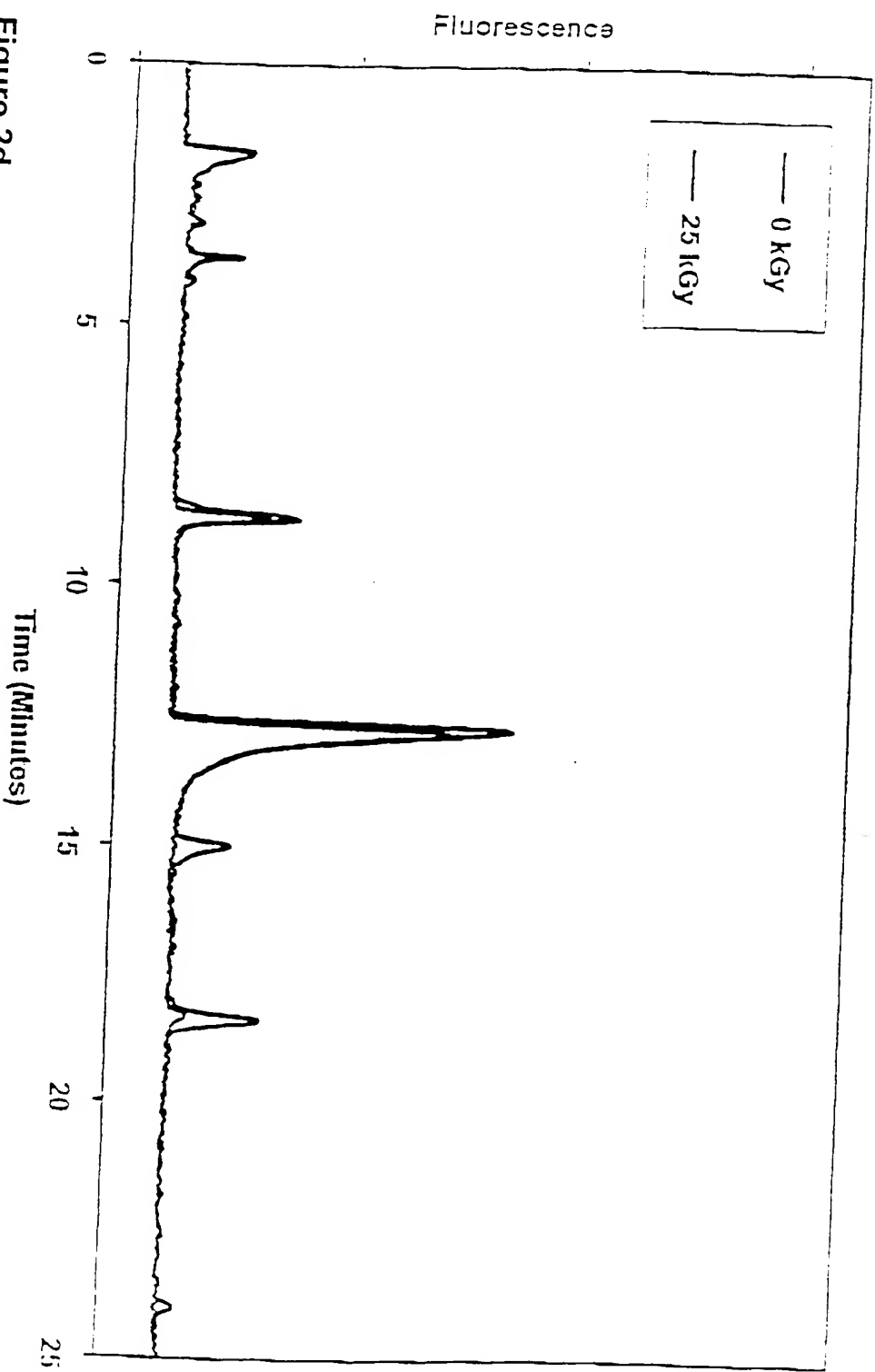
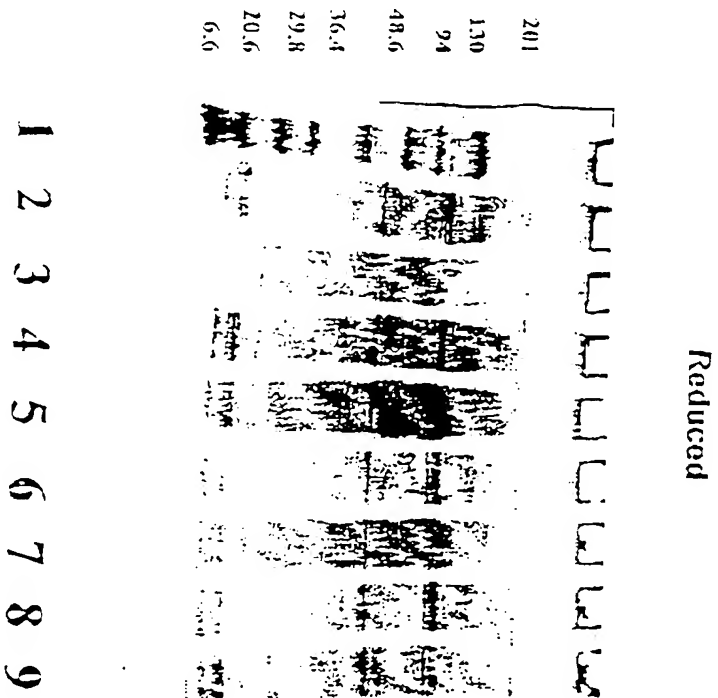


Figure 2d

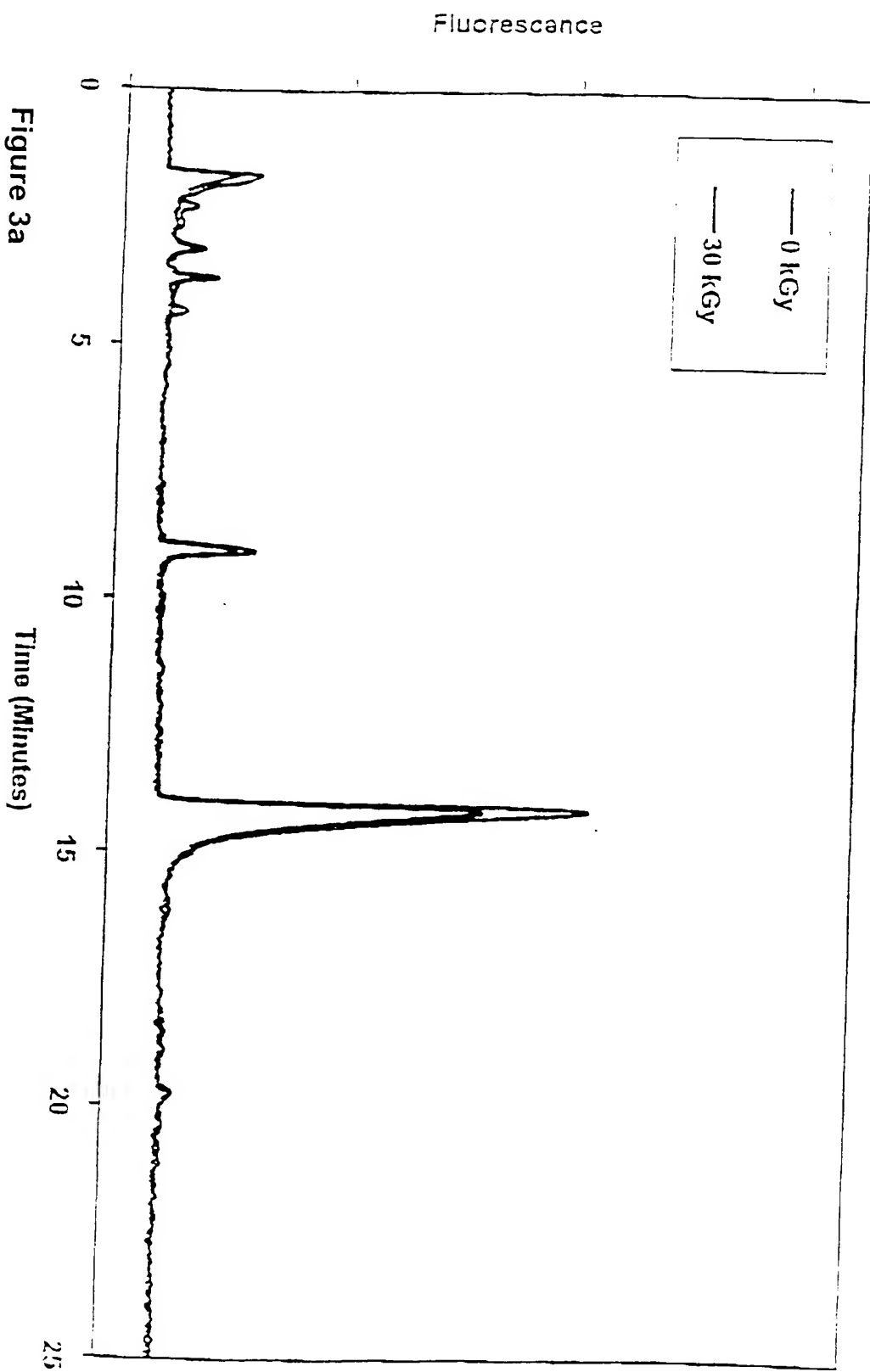
Gamma Irradiation of Porcine Heart Valve Cusps in the Presence of Various Solvents



1. Molecular Weight Markers
2. PBS, 0 kGy
3. PBS, 25 kGy
4. PPG400, 0 kGy
5. PPG400, 25 kGy
6. 50% DMSO, 0 kGy
7. 50% DMSO, 25 kGy
8. 50% DMSO and Cocktail of Ascorbate, Coumaric Acid, and n-Propyl Gallate, 0 kGy
9. 50% DMSO and Cocktail of Ascorbate, Coumaric Acid, and n-Propyl Gallate, 25 kGy

Figure 2e

Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of PBS



Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of a Cryopreservative (Containing Approximately 20% DMSO)

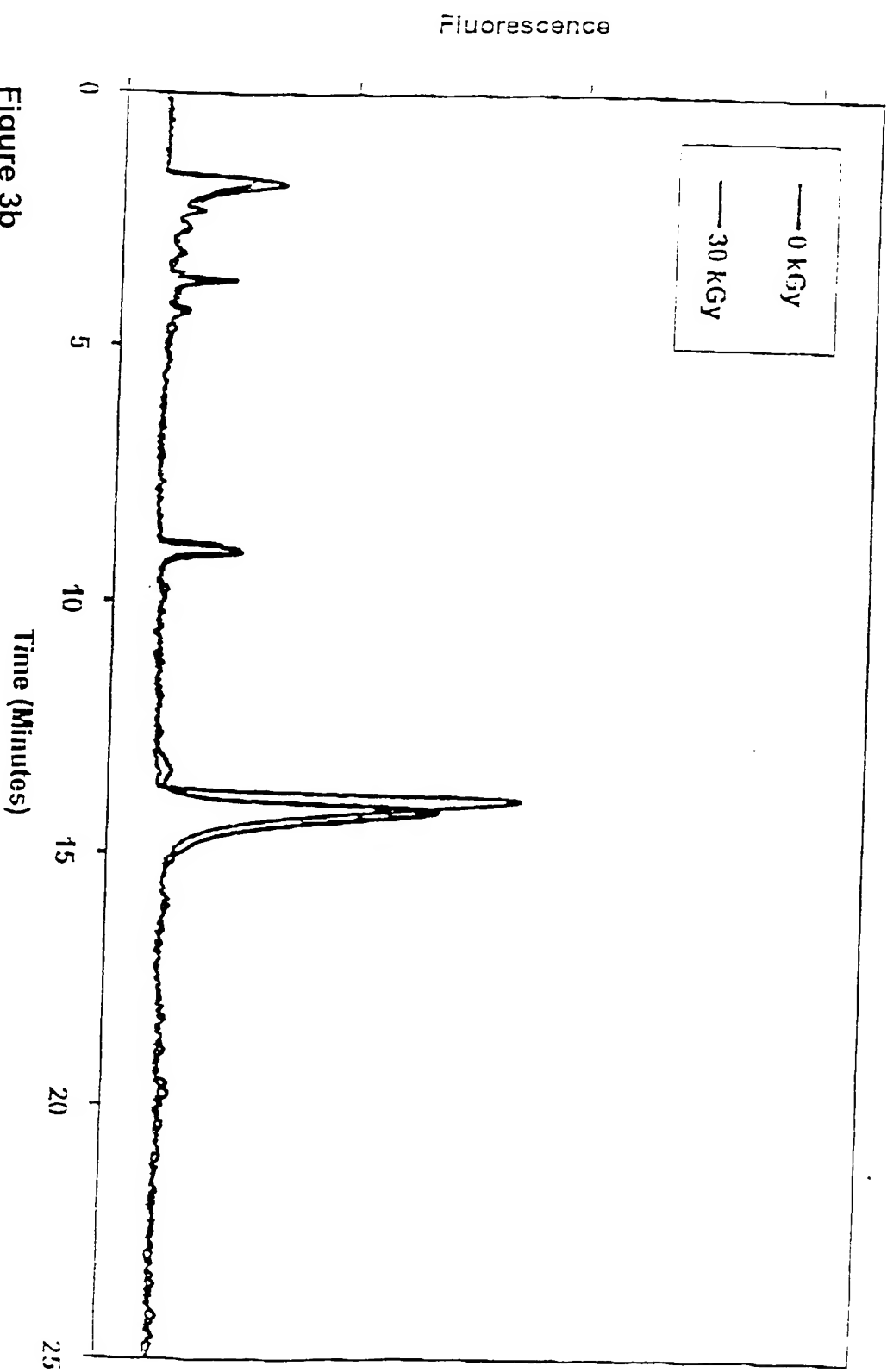
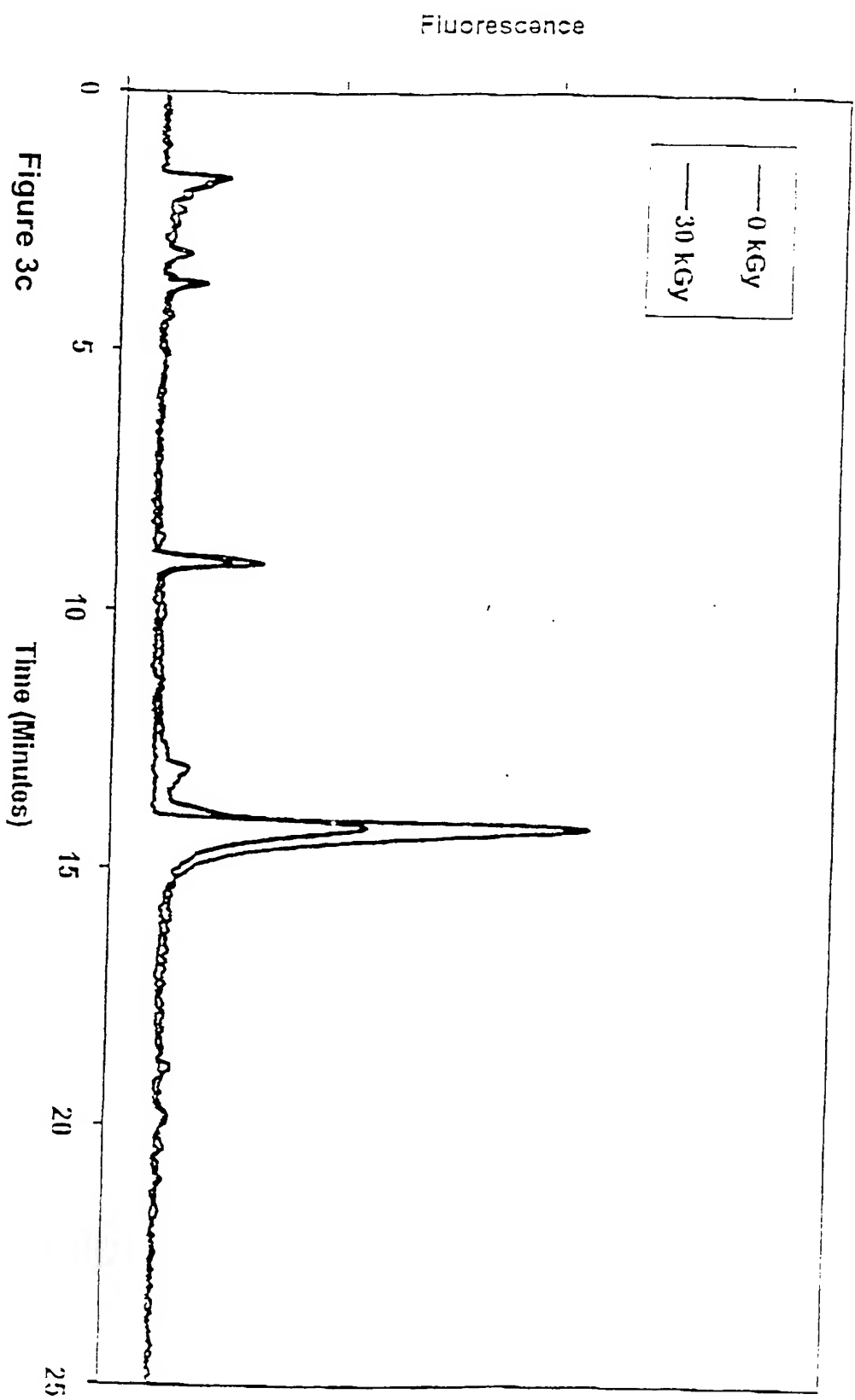
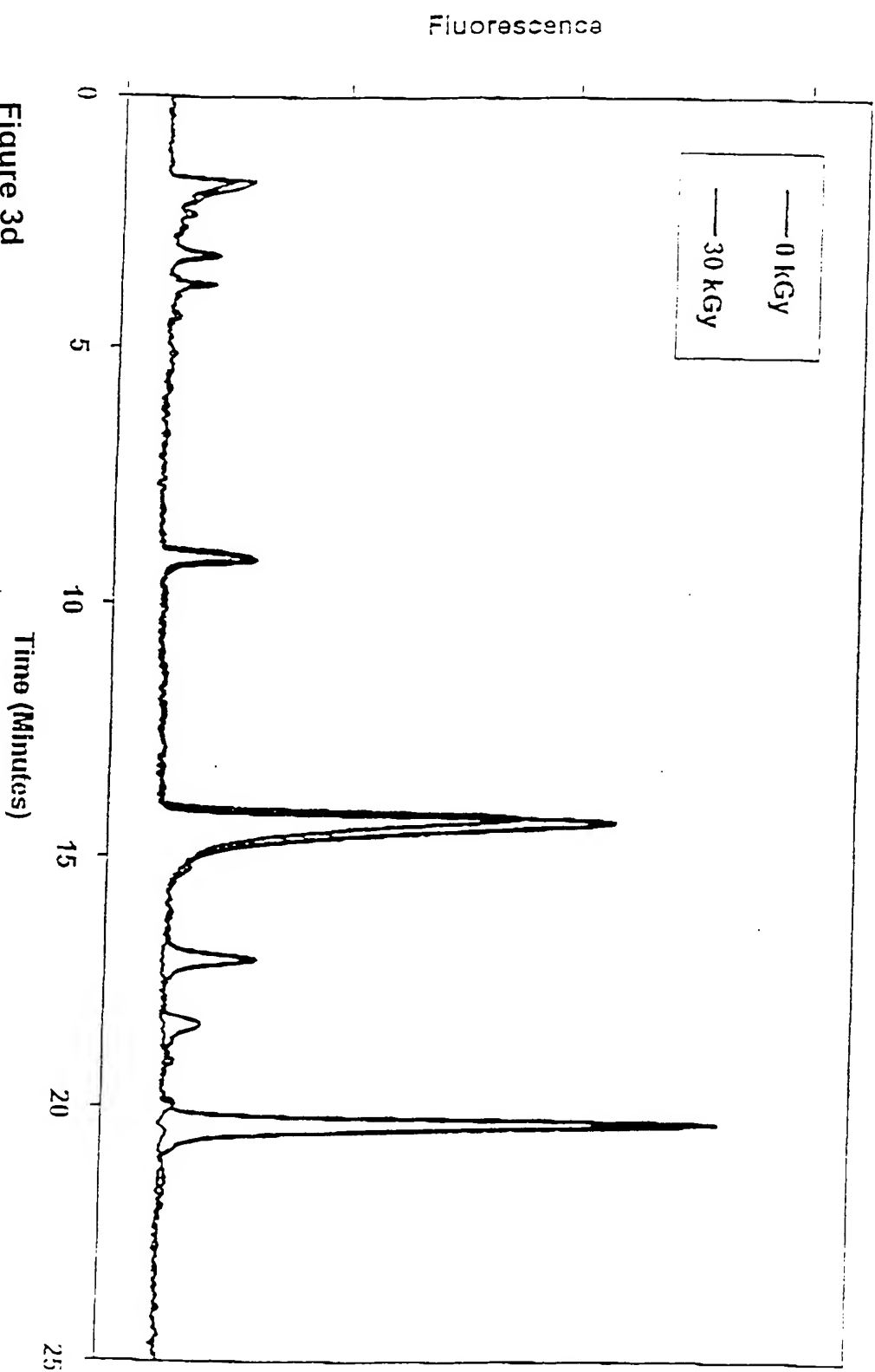


Figure 3b

Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of 50% DMSO



Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the
Presence of 50% DMSO and Ascorbate



Gamma Irradiation of Porcine Heart Valve Cusps in the Presence of Various Solvents

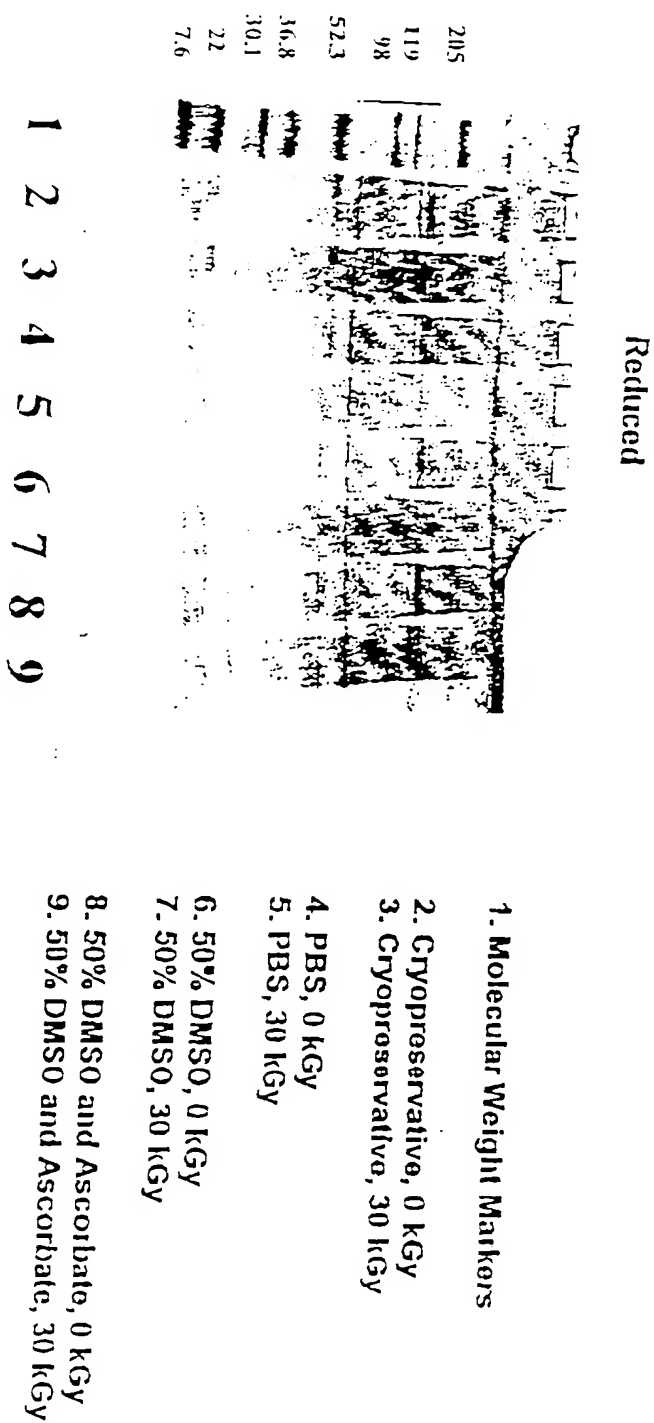


Figure 3e

Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of PBS

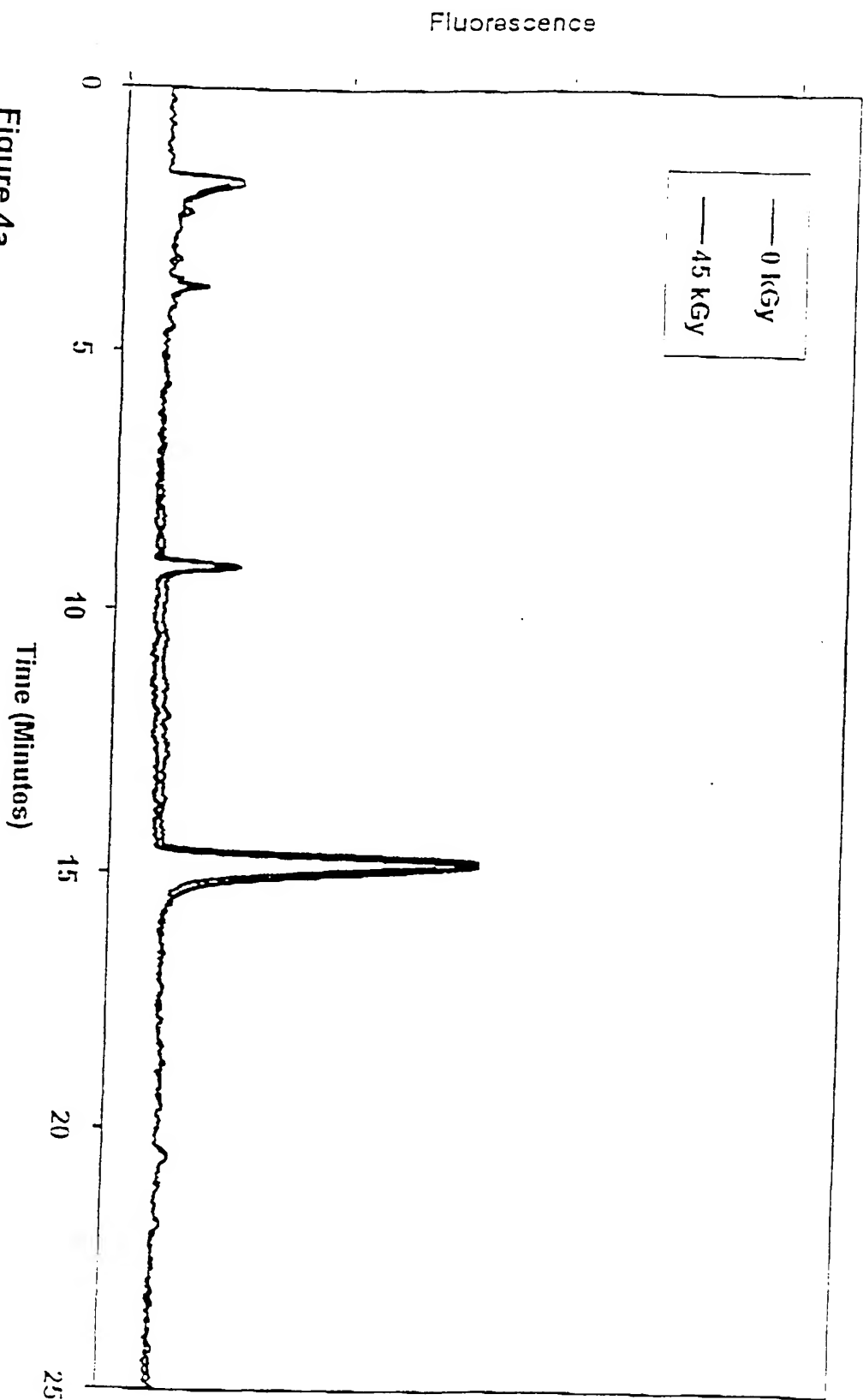
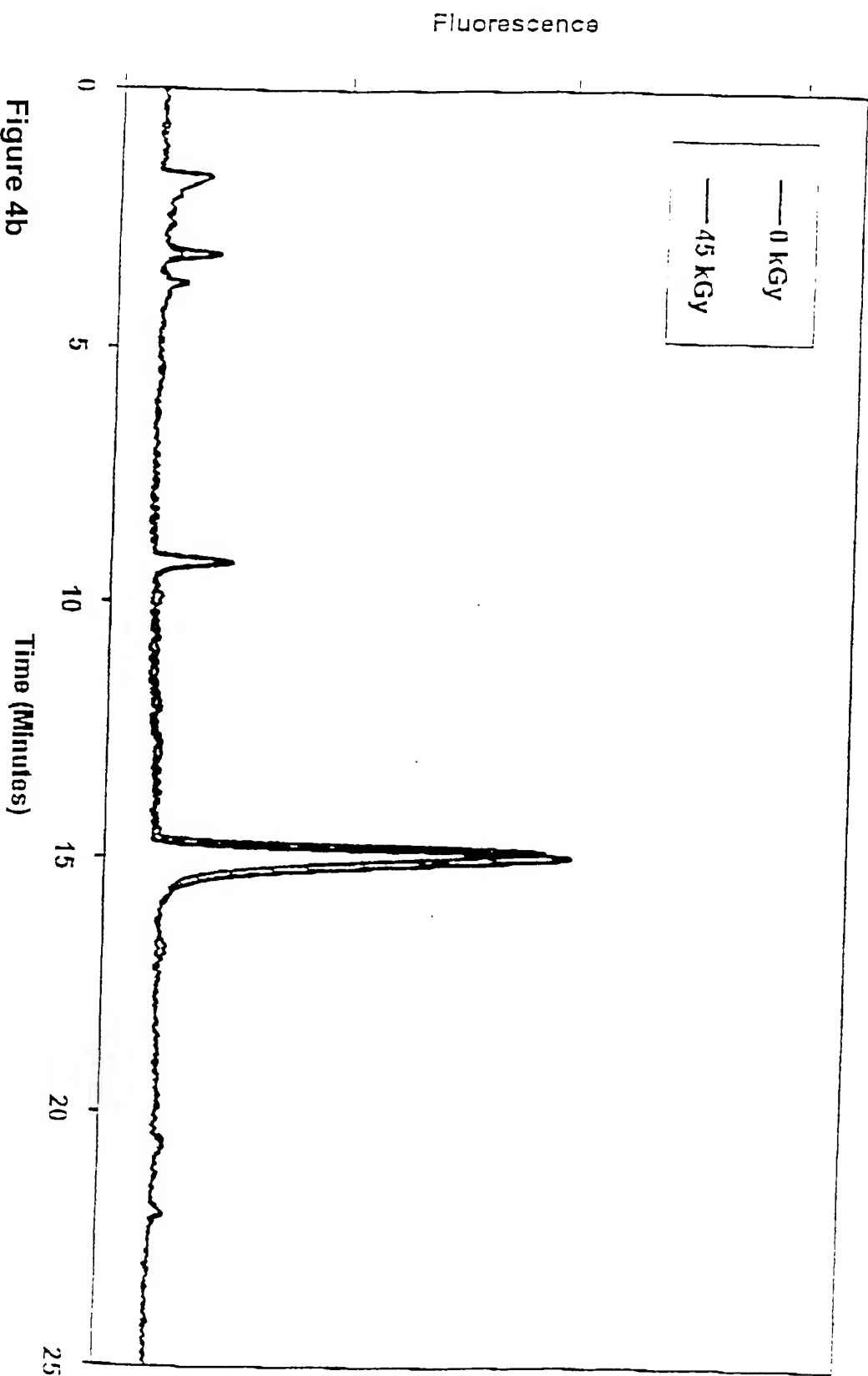


Figure 4a

Gamma Irradiation of Hydrolyzed Heart Valve Cusps
in the Presence of PBS and Ascorbate



Gamma Irradiation of Hydrolyzed Heart Valve Cusps
in the Presence of PPG 400

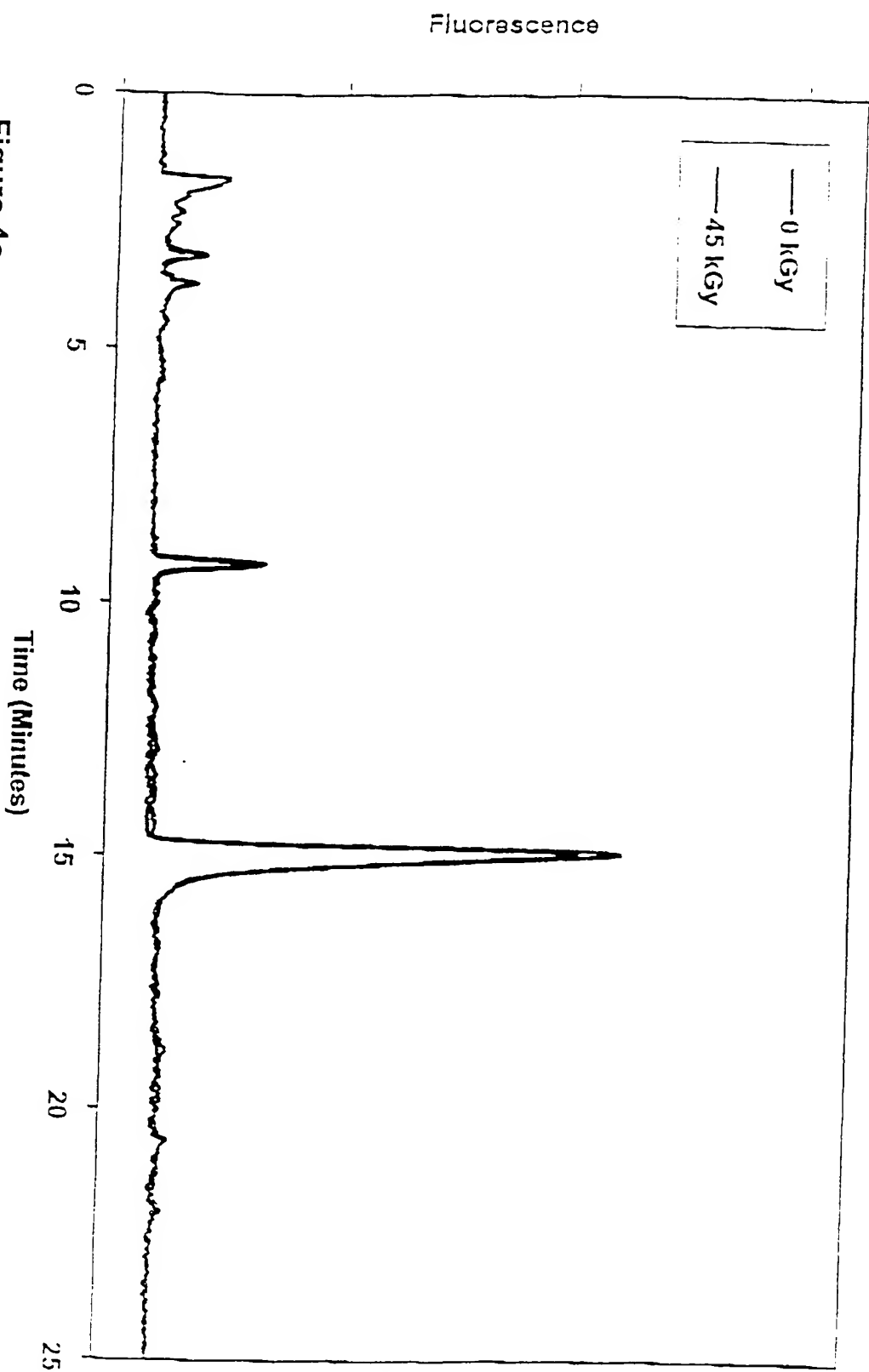


Figure 4c

Gamma Irradiation of Hydrolyzed Heart Valve Cusps
Dehydrated with PPG 400 and Rehydrated in the Presence of
PBS and Ascorbate

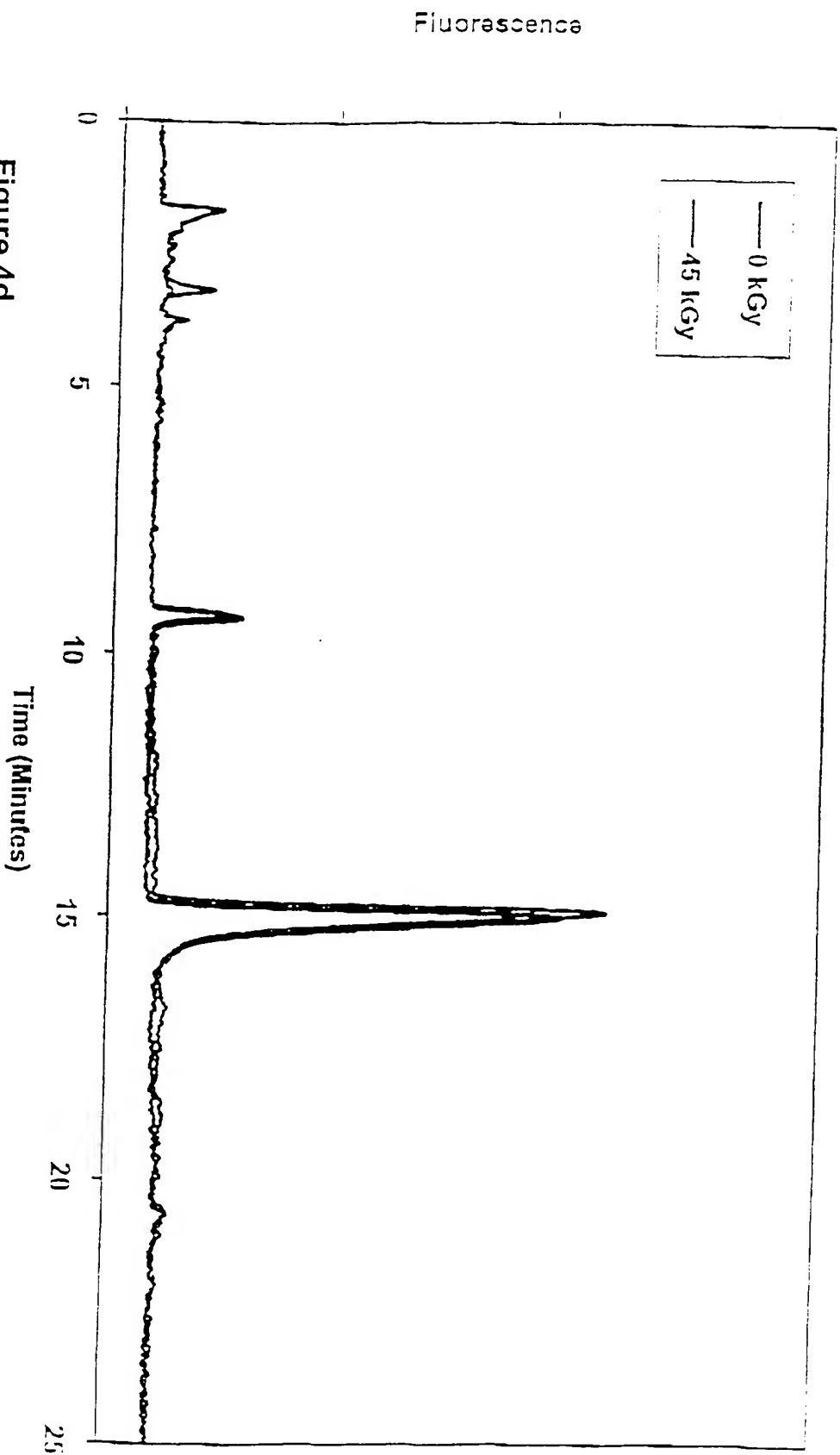


Figure 4d

Gamma Irradiation of Hydrolyzed Heart Valve Cusps
in the Presence of 50% DMSO

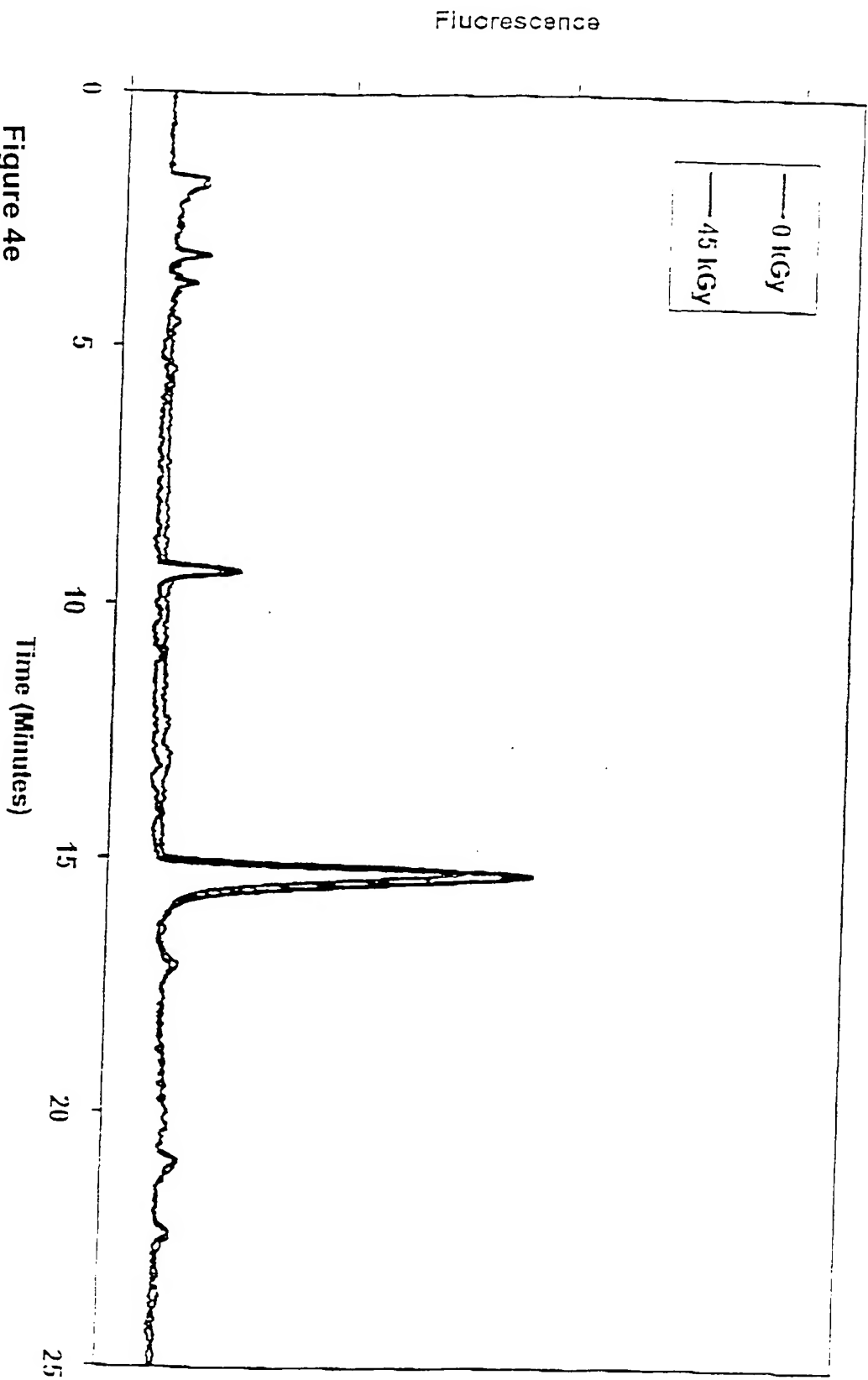


Figure 4e

Gamma Irradiation of Hydrolyzed Heart Valve Cusps
in the Presence of 50% DMSO and Ascorbate

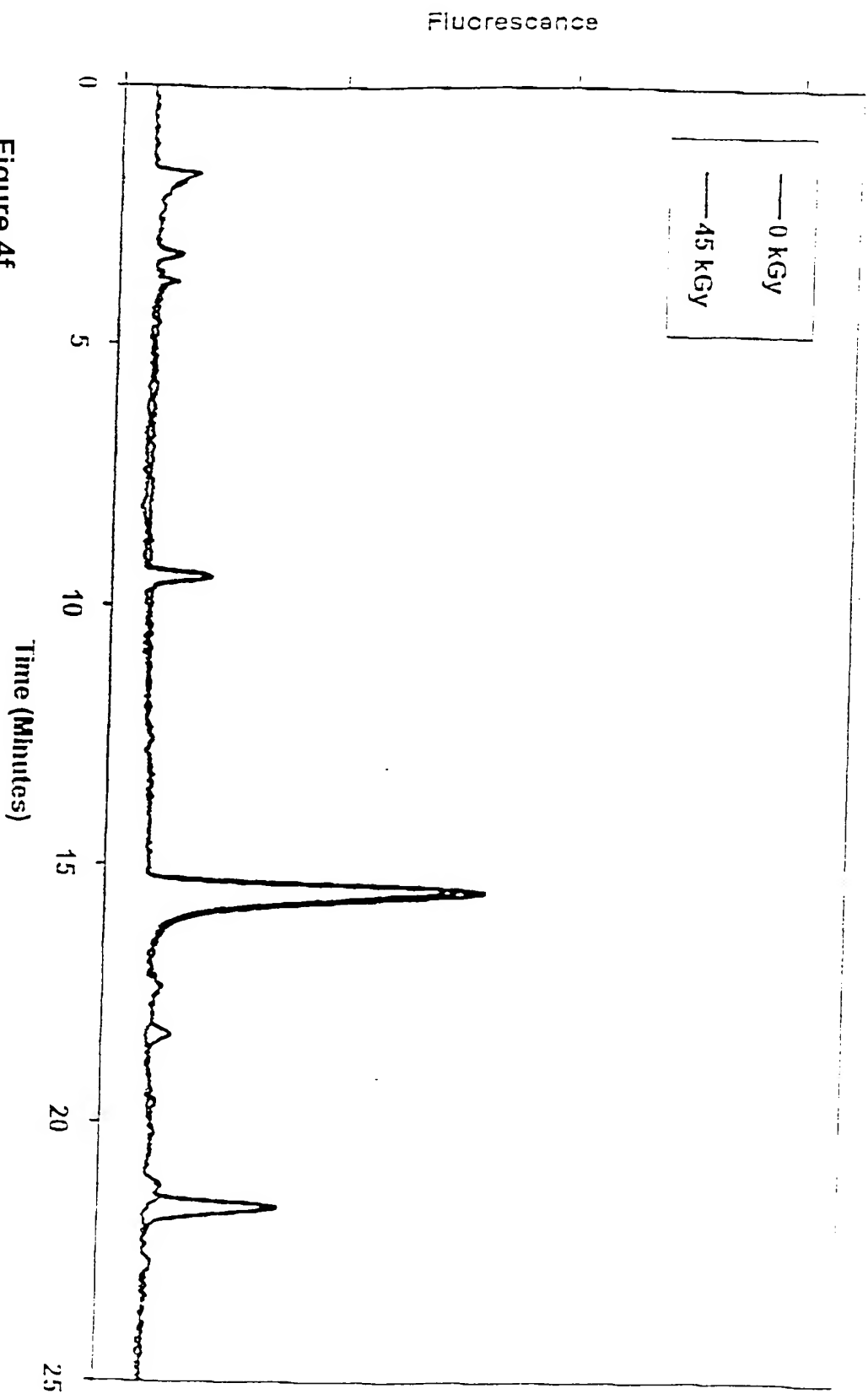
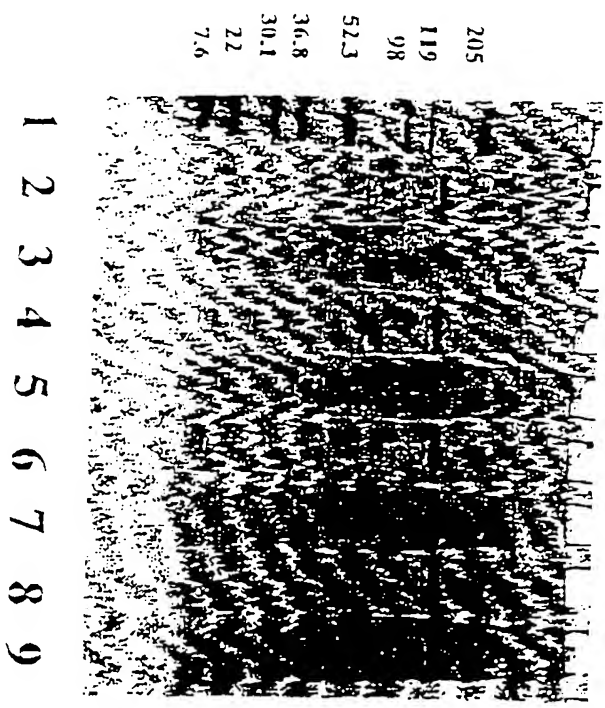


Figure 4f

Gamma Irradiation of Porcine Heart Valve Cusps in the Presence of Various Solvents



1. Molecular Weight Markers
2. PBS, 0 kGy
3. PBS, 45 kGy
4. PBS and Ascorbate, 0 kGy
5. PBS and Ascorbate, 45 kGy
6. PPG400, 0 kGy
7. PPG400, 45 kGy
8. Dehydrated in PPG400 and Rehydrated with PBS and Ascorbate, 0 kGy
9. Dehydrated in PPG400 and Rehydrated with PBS and Ascorbate, 45 kGy

Figure 4g

Gamma Irradiation of Porcine Heart Valve Cusps in the Presence of Various Solvents

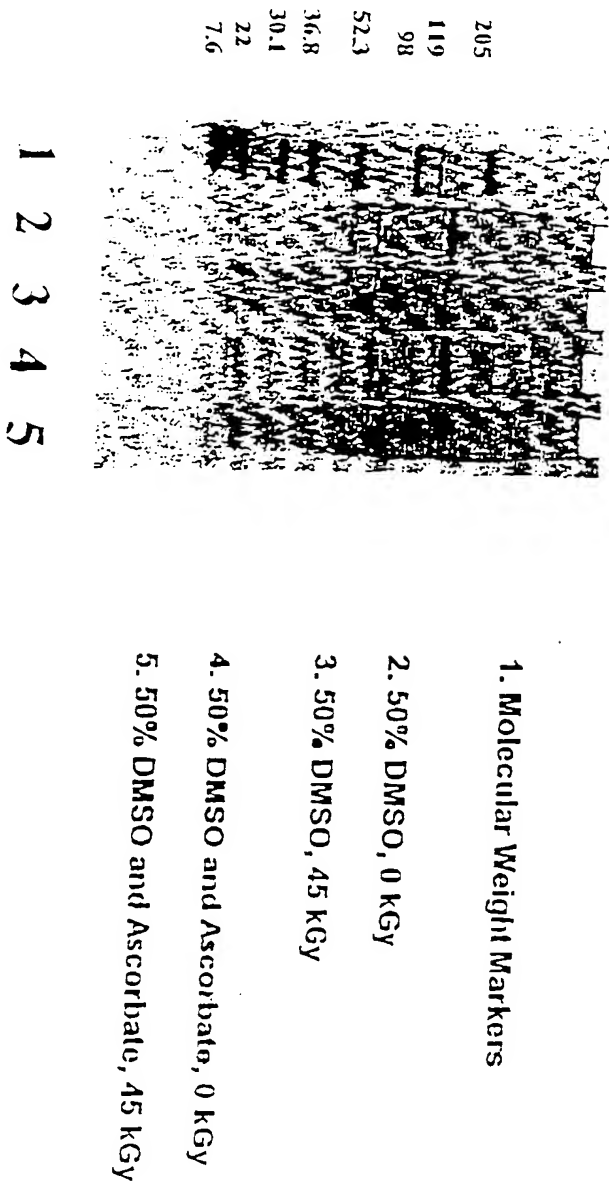


Figure 4h